

# Ashland/NSP Lakefront Site Proposed RI Outline

## Executive Summary

- 1 Introduction
  - 1.1 Purpose of Report
  - 1.2 Site Background
    - 1.2.1 Site Description
    - 1.2.2 Site History
  - 1.3 Report Organization
  
- 2 Study Area Investigation/Technical Approach
  - 2.1 Field Methods
    - 2.1.1 Site Mapping
    - 2.1.2 Surface Water and Sediment Investigations
    - 2.1.3 Geological Investigations – Surface/Subsurface Soil/Geophysics
    - 2.1.4 Groundwater Investigations
    - 2.1.5 Soil Vapor and Air Quality Investigation
    - 2.1.6 Ecological Investigations
  
  - 2.2 Laboratory Methods
    - 2.2.1 Soil Vapor/Air
    - 2.2.2 Groundwater
    - 2.2.3 Soil
    - 2.2.4 Sediment and Surface Water
    - 2.2.5 Benthic Organisms
  
- 3 Site Physical Characteristics
  - 3.1 Regional and Site Geology (incl surface/subsurface soil/geophysics)
  - 3.2 Regional and Site Hydrogeology
  - 3.3 Surface Water Hydrology
  - 3.4 Sediment Stability
  - 3.5 Ecology
  - 3.6 Meteorology
  - 3.7 Demographics and Land Use
  
- 4 Nature and Extent of Contamination
  - 4.1 Contaminant Sources
  - 4.2 Soils and Vadose Zone
  - 4.3 Groundwater
  - 4.4 Surface Water and Sediments
  - 4.5 Air
  
- 5 Contaminant Fate and Transport
  - 5.1 Contaminant Characteristics and Persistence
  - 5.2 Potential Routes of Migration/Contaminant Transport Processes
  - 5.3 Contaminant Distribution and Trends

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- 6 Conceptual Site Model
- 7 Baseline Human Health Risk Assessment
  - 7.1 Introduction
  - 7.2 Hazard Identification
  - 7.3 Dose-Response Assessment
  - 7.4 Exposure Assessment
  - 7.5 Risk Evaluation
- 8 Baseline Ecological Risk Assessment
  - 8.1 Introduction
  - 8.2 Problem Formulation
  - 8.3 Analysis
  - 8.4 Risk Characterization
- 7 Summary and Conclusions
  - 7.1 Summary
    - 7.1.1 Nature and Extent of Contamination
    - 7.1.2 Fate and Transport
    - 7.1.3 Risk Assessment
  - 7.2 Conclusions
    - 7.2.1 Data Limitations and Recommendations for Future Work
    - 7.2.2 Recommended Remedial Action Objectives

Figures

Tables

Appendices

- A. Remedial Action Options Technical Memoranda
- B. Supplementary Documents
  - B.1 Forensic Report
  - B.2 Sediment Stability Report
  - B.3 Geophysics Report
  - B.4... (Additional Reports as necessary)
- C. HHRA Methods
- D. BERA Methods
- E. Boring Logs
- F. Analytical Data and QA/QC Evaluation Results